



CITY OF SHORELINE

1ST AVE NE SANITARY SEWER REPLACEMENT

BID NUMBER: 10903

BID DATE: OCTOBER 9, 2024

17500 Midvale Avenue North
Shoreline, WA 98133
(206) 801-2700

MAYOR
CHRIS ROBERTS

DEPUTY MAYOR
LAURA MORK

COUNCIL MEMBERS
ANETTE ADEMASU
EBEN POBEE
JOHN RAMSDELL
BETSY ROBERTSON
KEITH SCULLY

DIRECTOR OF PUBLIC WORKS
TRICIA JUHNKE, P.E.

PROJECT MANAGER
MICHELLE HORIO, P.E.

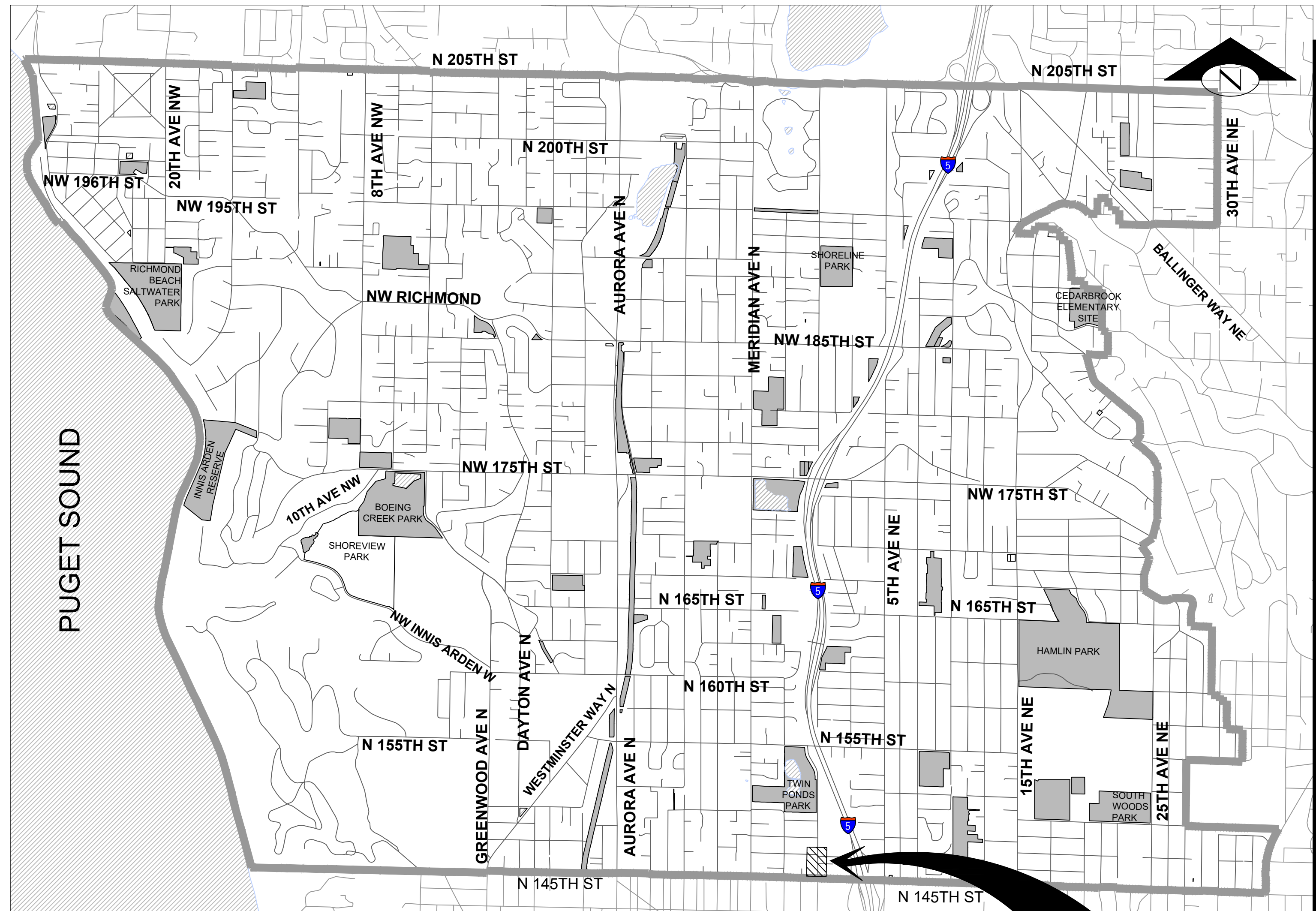
145TH CORRIDOR POINT OF CONTACT
CORY NAU, P.E. CNAU@SHORELINEWA.GOV

APPROVED FOR CONSTRUCTION

ELIZABETH KELLY, P.E., CITY ENGINEER

COVER SHEET GENERAL NOTES:

1. THE UNDERGROUND UTILITIES SHOWN HEREON ARE A COMBINATION OF FIELD LOCATED PAINT MARKS PAINTED BY UTILITY LOCATE SERVICES, RECORD INFORMATION AND VISIBLE INSPECTION FROM THE SURVEYOR. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO POTHOLE AT NO ADDITIONAL COST TO THE CITY.
2. THE CONTRACTOR SHALL FILE A MONUMENT DESTRUCTION PERMIT WITH THE DEPARTMENT OF NATURAL RESOURCES (DNR) PRIOR TO REMOVING ANY MONUMENT. ALL MONUMENTS REMOVED DURING CONSTRUCTION SHALL BE RESTORED AND A COMPLETION REPORT SHALL BE FILED WITH THE DNR UPON COMPLETION OF MONUMENT RESTORATION WORK.



VICINITY MAP
SHORELINE, WA



**PROJECT
LOCATION**

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SHEET	DRAWING	DESCRIPTION
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3	SS1.1	LEGEND, ABBREVIATIONS, REFERENCE SYMBOLS
4	SS2.0	SEWER PLAN
5	SS2.1	SEWER PROFILE
6	SS3.0	DETAILS
7	SS3.1	DETAILS

SERVICES	
ELECTRICAL:	SEATTLE CITY LIGHT (206) 684-3000
NATURAL GAS:	PUGET SOUND ENERGY (888) 225-5773
TELEPHONE:	CENTURY LINK (800) 244-1111 or FRONTIER (877) 462-8188
CABLE:	COMCAST (877) 824-2288 or FRONTIER (877) 462-8188
WASTEWATER (SEWER):	CITY OF SHORELINE (206) 801-2571
WATER:	SEATTLE PUBLIC UTILITIES (206) 684-5800
STATION MASTER/ POST OFFICE:	18336 AURORA AVE N STE 105 (800) 275-8777
CALL BEFORE YOU DIG	(800) 424-5555



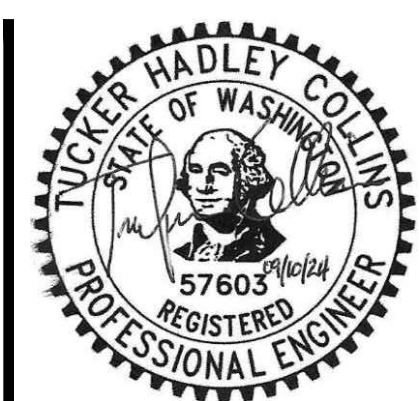
Know what's below
Call before you dig

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 By: Tucker Collins
 File: P:\S\SHR\00000042\040CAD\SHSHEETS\SEC-SS-SHRL\00000042-G1-3.dwg
 By: Theo

SEC: NW ¼ OF 20
TWP: 26N
RGE: 4E

DATUM: NAVD 88
HOR: WA SP NAD 83
VERT: NAVD 88

CHECKED BY: SXCH
DESIGNED BY: THCO
DRAWN BY: SYS



REVIEWED BY:			DATE:	
NO.	DATE	REVISION	BY	CK

**DAVID EVANS
AND ASSOCIATES INC.**
14432 SE Eastgate Way
Suite 400
Bellevue, WA 98007
425.519.6500

**1ST AVENUE NE
SANITARY SEWER REPLACEMENT PROJECT**

CITY OF SHORELINE
COVER
GENERAL INFORMATION, VICINITY MAP, SHEET INDEX

SHORELINE WA

PROJECT NO.
SHRL0000-0042

FILE NO.

SHEET NO. **1 of 7**
SS0.0

GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE RULES AND REGULATIONS OF CITY OF SHORELINE (OWNER), THE SPECIFICATIONS AND CONTRACT DOCUMENTS, INCLUDED HEREIN BY REFERENCE.
- THE TERM "OWNER" REFERS TO THE CITY OF SHORELINE. THE TERM "PRIVATE PROPERTY OWNER" REFERS TO THE OWNER OF THE PROPERTY FOR WHICH THE SUBJECT SIDE SEWER SERVICES, I.E. THE CITY OF SHORELINE'S CUSTOMER, THE "OWNERS" CUSTOMER.
- THE OWNER SHALL BE NOTIFIED 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL TESTING AND CONSTRUCTION SHALL BE INSPECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- LOCATIONS OF KNOWN EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORDS AND SHOULD BE CONSIDERED AS APPROXIMATE, ILLUSTRATIVE AND NOT NECESSARILY COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING, LOCATING, AND PROTECTING ALL UTILITIES WITHIN THE PROJECT AREA. CONTRACTOR SHALL EXPOSE AND LOCATE ALL CONFLICTING HORIZONTAL AND VERTICAL INTERFERING UTILITIES IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND REPAIRING ANY UTILITIES DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE UTILITY OWNER. IDENTIFICATION, LOCATION, MARKING AND RESPONSIBILITY FOR UNDERGROUND FACILITIES OR UTILITIES IS GOVERNED BY THE PROVISIONS OF CHAPTER 19.122, REVISED CODE OF WASHINGTON.
- UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THE SITE. ALL SANITARY SEWER, GAS, TELEPHONE AND OTHER WET AND DRY UTILITIES MAY NOT BE SHOWN. UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON VISIBLE FIELD EVIDENCE AND UTILITY RECORDS PROVIDED BY UTILITY PROVIDERS. THE OWNER ASSUMES NO LIABILITY FOR THE ACCURACY OR COMPLETENESS OF THE PUBLIC RECORDS. UNDERGROUND UTILITY LOCATIONS ARE ONLY APPROXIMATE. UNDERGROUND CONNECTIONS ARE GENERALLY SHOWN AS STRAIGHT LINES BETWEEN VISIBLE SURFACE LOCATIONS BUT MAY CONTAIN BENDS OR CURVES NOT SHOWN.
- CONTRACTOR IS REQUIRED TO PROVIDE A COMPETENT PERSON(S) TRAINED TO IDENTIFY EXISTING OR PREVENTABLE HAZARDS RELATED TO TRENCH SAFETY, SOIL CONDITIONS, AND SHORING, IN ACCORDANCE WITH WAC 296-155 PART N. REPRESENTATIVES OF THE OWNER AND ENGINEER SHALL NOT BE REQUIRED TO PERFORM THE ROLE OF COMPETENT PERSON FOR THIS PROJECT. NO WORKERS SHALL ENTER THE TRENCH OR OTHER EXCAVATION FOUR FEET OR MORE IN DEPTH WITHOUT TRENCH SAFETY SYSTEM IN PLACE.
- NO CONSTRUCTION SHALL BE AUTHORIZED ON PRIVATE PROPERTY UNTIL A SIGNED TEMPORARY CONSTRUCTION EASEMENT (TCE) HAS BEEN OBTAINED FROM THE PRIVATE PROPERTY OWNER FOR THE CORRESPONDING PROPERTY. COORDINATE WITH THE OWNER TO DETERMINE STATUS OF TEMPORARY CONSTRUCTION EASEMENT (TCE).
- THE CONTRACTOR SHALL TAKE EVERY PRECAUTION NECESSARY TO PROTECT THE EXISTING SEWER SYSTEM. SOIL, ROCK, OR OTHER CONSTRUCTION DEBRIS WILL NOT BE ALLOWED INTO THE EXISTING SEWER SYSTEM.
- ALL PIPES ENTERING/LEAVING MANHOLES SHALL BE ALIGNED WITH THE CENTER OF THE MANHOLE. MANHOLE CHANNELS SHALL BE SHAPED TO ALLOW PLACEMENT AND USE OF THE OWNER'S TELEVISION INSPECTION EQUIPMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SEWER SERVICE DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE REPLACEMENT OF SEWER MAIN AND RESTORATION OF SIDE SEWER SERVICE WITH AFFECTED CUSTOMERS. CONTRACTOR SHALL PERFORM WORK IN A MANNER THAT WILL PROVIDE CONTINUOUS SEWER SERVICE TO OWNERS CUSTOMERS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, INSTALLING CLEAN OUTS AS NECESSARY TO BYPASS AND/OR ISOLATE FLOWS, BYPASSING FLOWS, HAULING WASTEWATER OFF-SITE, AND WORKING DURING NON-BUSINESS HOURS. IF CONSTRUCTION OF CLEAN OUTS BECOMES NECESSARY, CLEAN OUTS SHALL BE CONSTRUCTED OF TYPICAL SANITARY SEWER MATERIALS IN A MANNER THAT SHALL MAINTAIN WATER-TIGHT INTEGRITY OF THE SEWER SYSTEM. CLEAN OUTS NOT CONSTRUCTED IN ACCORDANCE WITH THE OWNER'S STANDARDS SHALL BE REMOVED AND THE PROPERTY RESTORED TO PREVIOUS CONDITION PRIOR TO PROJECT ACCEPTANCE.
- LENGTHS/LOCATIONS OF SIDE SEWERS HAVE BEEN DETERMINED BY RECORD SYSTEM MAPS AND TV INSPECTION VIDEO FOOTAGE AND OWNER RECORDS AND ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LENGTHS/LOCATIONS OF SIDE SEWERS AND DETERMINING WHETHER SIDE SEWER IS ACTIVE OR INACTIVE PRIOR TO CONSTRUCTION.
- UNLESS OTHERWISE INDICATED ON THE PLANS, MINIMUM SEPARATION OF POTABLE WATER MAINS AND SANITARY SEWER LINES SHALL BE 10 FEET HORIZONTAL, 18" VERTICAL.
- CONTRACTOR SHALL PROVIDE NOTIFICATION TO EACH PRIVATE PROPERTY OWNER OR RESIDENT WHO IS ANTICIPATED TO BE IMPACTED BY CONSTRUCTION PER THE CONTRACT DOCUMENTS.
- OWNER SIDE SEWER INFORMATION HAS BEEN SHOWN ON THE PLANS (WHERE AVAILABLE). THE OWNER DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. IF DURING CONSTRUCTION, LOCATION AND CONFIGURATION OF SIDE SEWERS DIFFER FROM THAT SHOWN ON THE PLANS, CONTRACTOR RESPONSIBLE FOR NOTIFYING THE OWNER IMMEDIATELY AND DETERMINING A REPLACEMENT PLAN PRIOR TO COMMENCING WORK.
- POTHOLE TO CONFIRM DEPTH, MATERIAL AND SIZE OF EX. UTILITY CROSSINGS THAT MAY BE IMPACTED BY WORK. COORDINATE WITH OWNER OR OWNER'S REPRESENTATIVE.

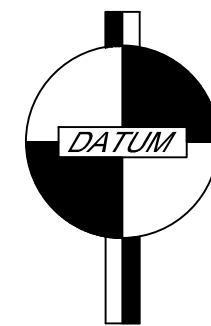
CAUTION – EXTREME HAZARD – EXISTING OVERHEAD ELECTRICAL SERVICE LINES ARE GENERALLY NOT SHOWN ON THE DRAWINGS. ELECTRICAL LINES SHOWN ON THE DRAWINGS ARE LOCATED BY POINT-TO-POINT, POWER POLE-TO-POWER POLE CONNECTION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF ANY HAZARD CREATED BY OVERHEAD ELECTRICAL POWER IN ALL AREAS AND SHALL FOLLOW PROCEDURES DURING CONSTRUCTION AS REQUIRED BY LAW AND REGULATION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH UTILITY OWNERS AND DETERMINE THE EXTENT OF HAZARD AND REMEDIAL MEASURES AND SHALL TAKE WHATEVER PRECAUTIONS MAY BE REQUIRED.

NOTICE:

RIGHT-OF-WAY NOTES

- RESPONSIBILITY FOR PROVIDING TRAFFIC CONTROL PLAN (TCP) SHALL BE PER THE CONTRACT DOCUMENTS, SECTION 1-10.
- CONTRACTOR SHALL RESTORE ROW PER OWNER'S REQUIREMENTS.
- THE LOCATIONS FOR PARKING AND STAGING IN THE ROW SHALL BE COORDINATED WITH THE OWNER. CONTRACTOR SHALL RESTORE ALL PAVEMENT MARKINGS TO EXISTING CONDITION OR BETTER.
- CONTRACTOR SHALL NOTIFY RESIDENTS AND PROVIDE PROOF OF RESIDENT NOTIFICATION TO OWNER AND CITY PRIOR TO BEGINNING CONSTRUCTION PER THE CONTRACT DOCUMENTS. THE OWNER ROW OFFICE AND CITY SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF ANY INSPECTIONS OR CONSTRUCTION BY EMAIL (ROW@SHORELINE.WA.GOV, WWW@SHORELINE.WA.GOV, WWW@SHORELINE.WA.GOV). FOR CANCELLATION OF INSPECTIONS, CALL (206) 801-2424 OR (206) 801-2425. REQUIRED OWNER ROW INSPECTIONS/NOTIFICATIONS INCLUDE JOB START, TRAFFIC CONTROL, ALL ROADWAY CUTS, UTILITY BACKFILL, SUB-BASE FOR ASPHALT AND CONCRETE, CONCRETE FORMS, CONCRETE PLACEMENT, PAVING AND FINAL INSPECTION. WASTEWATER INSPECTIONS/NOTIFICATIONS SHALL BE REQUIRED PER THESE PLANS, THE SPECIFICATIONS AND CONTRACT DOCUMENTS. WASTEWATER INSPECTIONS/NOTIFICATIONS SHALL BE REQUIRED ALL DAYS IN WHICH WORK IS TO BE PERFORMED ON THE PROJECT.

SURVEY CONTROL NOTES



DATUM: NAVD 88

HORIZONTAL:
WASHINGTON STATE PLANE - NORTH ZONE
NAD 83/2011
BASE ON WSRN GPS NETWORK

VERTICAL:
NAVD 88 DATUM
BASE ON WSRN GPS NETWORK

BASEMAP NOTES - EXISTING UTILITIES

- LOCATIONS OF EXISTING UTILITIES SHOWN SHALL BE CONSIDERED AS ILLUSTRATIVE AND NOT NECESSARILY ACCURATE OR COMPLETE. EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. THE EXISTING UTILITY LOCATIONS SHOWN HEREON ARE BASED ON:
 - RECORD SYSTEM MAP DATA PROVIDED BY THE UTILITY PUBLICLY OR BY REQUEST.
 - CONCAST COMMUNICATIONS
 - CITY OF SHORELINE SEWER
 - THE CORRIDOR PROJECT EXISTING IMPROVEMENTS BASEMAP PROVIDED BY JACOBS:
 - SPU WATER
 - PSE GAS
 - LUMEN COMMUNICATIONS
 - CITY OF SEATTLE SEWER
 - SURFACE IMPROVEMENTS
 - SURVEYED DATA PROVIDE SURFACE EVIDENCE AT THE PROJECT SITE. IN THE CASE OF DISCREPANCIES BETWEEN RECORD SYSTEM MAP DATA AND SURVEY DATA, THE SURVEY DATA WAS UTILIZED TO CONSTRUCT THE DRAWING BASEMAP.
- EXISTING UTILITIES ARE GENERALLY SHOWN HEREON AS STRAIGHT LINES BETWEEN KNOWN POINTS OF CONNECTION, SUCH AS WATER METERS, VALVES, MANHOLES, CATCH BASINS, ETC., HOWEVER THE UTILITIES MAY CONTAIN BENDS OR CURVES NOT SHOWN.
- THE PROPOSED IMPROVEMENTS SHOWN HEREON ARE BASED ON:
 - GAS IMPROVEMENTS PER PSE DESIGN PROVIDED VIA KIMLEY-HORN.
 - STORMWATER IMPROVEMENTS PER JACOBS, LOCHNER AND DEVELOPER DESIGN.
 - FINISHED GRADE ELEVATION AND SURFACING PER JACOBS DESIGN.
 - WATER IMPROVEMENTS PER JACOBS AND DEVELOPER DESIGN.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING, LOCATING, AND PROTECTING ALL EXISTING UTILITIES WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL PROVIDE SURFACE LOCATES FOR ALL EXISTING UTILITIES WITHIN THE PROJECT AREA PRIOR TO EXCAVATION. THE CONTRACTOR SHALL POTHOLE AND EXPOSE ALL EXISTING UTILITIES WITHIN THEIR PLANNED EXCAVATION FOOTPRINT/DEPTH PRIOR TO EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND REPAIRING ANY UTILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ANY EXISTING UTILITIES, INCLUDING THOSE THAT ARE NOT SHOWN HEREON, AT NO ADDITIONAL COST TO THE OWNER.
- IDENTIFICATION, LOCATION, MARKING AND RESPONSIBILITY FOR EXISTING FACILITIES OR UTILITIES IS GOVERNED BY THE PROVISIONS OF CHAPTER 19.122, REVISED CODE OF WASHINGTON.

GENERAL CONSTRUCTION NOTES

- CONTRACTOR SHALL PROVIDE NOTIFICATION TO EACH PRIVATE PROPERTY OWNER OR RESIDENT ANTICIPATED TO BE IMPACTED BY CONSTRUCTION PER THE ROW NOTES THIS SHEET.
- WORKING HOURS WITHIN THE ROW ARE LIMITED TO 7AM TO 7PM, MONDAY THROUGH FRIDAY, UNLESS OTHERWISE AUTHORIZED BY THE OWNER OR INSPECTOR.
- OWNER INFORMATION REGARDING SIDE SEWERS HAS BEEN SHOWN ON THE PLANS (WHERE AVAILABLE). THE OWNER DOES NOT GUARANTEE THE ACCURACY NOR THE COMPLETENESS OF THIS INFORMATION. IF DURING CONSTRUCTION, LOCATION AND CONFIGURATION OF SIDE SEWERS DIFFER FROM THAT SHOWN ON THE PLANS, CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER IMMEDIATELY AND DETERMINING A REPLACEMENT PLAN PRIOR TO COMMENCING WORK.
- ALL SIDE SEWER STUBS CONNECTED TO THE MAIN LINE TO BE REPLACED SHALL BE REPLACED EVEN WHERE NOT SHOWN OR SHOWN INACCURATELY ON THE PLANS. ADDITIONAL SIDE SEWER STUBS SHALL BE REIMBURSED AT THE UNIT BID PRICE UNLESS THE OWNER AUTHORIZES A RENEGOTIATION OF UNIT COST.

TEMPORARY BYPASS NOTES

- LOCATIONS OF THE EXISTING SANITARY SEWER SYSTEM ORIGINATE FROM THE CITY OF SHORELINE'S RECORD DATA AND ARE PROVIDED FOR USE IN PREPARING TEMPORARY BYPASS PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL FIELD CONDITIONS PRIOR TO SUBMITTING THE TEMPORARY BYPASS PLAN.
- TEMPORARY BYPASS PUMPS SHALL BE SIZED FOR CONVEYING MAXIMUM FLOWS THROUGH THE PIPE BEING REPAIRED/REPLACED, 25 GPM.
- A MINIMUM OF ONE (1) STANDBY PUMP SIZED TO BYPASS PEAK FLOWS SHALL BE PROVIDED. DIESEL GENERATORS OR DIESEL DRIVEN PUMPS SHALL BE EQUIPPED WITH CONTAINMENT TO PREVENT OIL AND/OR FUEL SPILLS.
- SANITARY SEWER FLOWS SHALL BE DIVERTED TO THE DOWNSTREAM PORTION OF THE PROJECT.
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

EROSION AND SEDIMENTATION CONTROL NOTES

- THE IMPLEMENTATION AND MAINTENANCE OF EROSION CONTROL FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR ON A DAILY BASIS AND UNTIL ALL CONSTRUCTION IS APPROVED.
- AT ALL TIMES PROTECT CRITICAL AREAS AND THEIR BUFFERS, ADJACENT PRIVATE PROPERTIES AND PUBLIC PROPERTY, AND SURVEY MONUMENTS.
- EROSION SEDIMENTATION CONTROL (ESC) FACILITIES MUST BE CONSTRUCTED PRIOR TO AND IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER OR AIRBORNE SEDIMENT DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER OR AIR QUALITY STANDARDS DURING THE CONSTRUCTION PERIOD. THESE ESC FACILITIES SHALL BE UPGRADED TO INCLUDE ADDITIONAL SUMPS, DITCHES, FENCES, STRAW WATTLES, ETC. AS NEEDED FOR UNEXPECTED STORM EVENTS.
- STABILIZED CONSTRUCTION ENTRANCES AND WASH PADS OR EQUIVALENT CITY APPROVED BMP MEASURES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED BY THE CITY OF SHORELINE TO ENSURE THAT PAVED AREAS ARE KEPT CLEAN FOR THE PROJECT DURATION.
- ANY AREAS STRIPPED OF VEGETATION (INCLUDING ROADWAY EMBANKMENTS), WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF TWO (2) DAYS, SHALL BE IMMEDIATELY STABILIZED WITH APPROVED ESC METHODS AS FOLLOWS:
 - FROM MAY 1 THROUGH SEPTEMBER 30, INSTALL TESC COVER MEASURES TO PROTECT DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR SEVEN (7) DAYS OR MORE.
 - FROM OCTOBER 1 THROUGH APRIL 30:
 - INSTALL TESC COVER MEASURES TO PROTECT DISTURBED AREAS THAT WILL REMAIN UNWORKED FOR TWO (2) DAYS OR MORE.
 - PROTECT STOCKPILES AND STEEP CUT/FILL SLOPES IF UNWORKED FOR MORE THAN 12 HOURS.
 - STOCKPILE ON SITE ENOUGH COVER MATERIALS TO COVER ALL DISTURBED AREAS.
 - ANY AREA NEEDING ESC MEASURES, NOT REQUIRING IMMEDIATE ACTION, SHALL BE ADDRESSED WITHIN 15 DAYS.
- ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
- BY OCTOBER 8, SEE ALL AREAS THAT WILL REMAIN UNWORKED FROM OCTOBER 1 THROUGH APRIL 30. MULCH ALL SEEDED AREAS.
- AT NO TIMES SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO A DOWNSTREAM SYSTEM.
- WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF TWO INCHES.
- THE EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHOWN ON THE TESC ARE MINIMUM REQUIREMENTS. FIELD ADJUSTMENTS SHALL BE MADE TO ENSURE THE TESC PERFORMS IN ACCORDANCE WITH THE 2019 DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, VOLUME II.
- NOT USED.
- BEST MANAGEMENT PRACTICES SHALL REMAIN IN PLACE UNTIL FINAL SITE CONSTRUCTION IS COMPLETED AND PERMANENT STABILIZATION IS ESTABLISHED AND APPROVED BY THE CITY.
- INSPECT AND MAINTAIN BEST MANAGEMENT PRACTICES DAILY IN ACCORDANCE WITH THE 2019 DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.
- FAILURE TO MAINTAIN TESC MEASURE IN ACCORDANCE WITH ADOPTED STANDARDS MAY RESULT IN THE WORK BEING PERFORMED AT THE CITY'S DIRECTION AND THE COSTS DEDUCTED FROM MONIES OWED TO THE CONTRACTOR.
- DURING THE LIFE OF THE PROJECT, THE CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION AND PROMPTLY REPAIR, RESTORE OR REPLACE ALL GRADE SURFACES, WALLS, DRAINS, DAMS, STRUCTURES, VEGETATION, TESC MEASURES, AND OTHER PROTECTIVE DEVICES IN ACCORDANCE WITH APPROVED PLANS.
- THE CONTRACTOR SHALL MONITOR DOWNSTREAM DRAINAGE FEATURES, AND, WITH THE CITY'S APPROVAL, SHALL REMOVE ALL SEDIMENT DEPOSITION RESULTING FROM THE PROJECT-RELATED WORK.

PLAN NOTES

- THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE NOTES UNLESS OTHERWISE DIRECTED BY THESE PLANS. THE ENGINEER OR A CITY OF SHORELINE REPRESENTATIVE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. ALL WORK SHALL COMPLY WITH THE APPLICABLE PLANS AND SPECIFICATIONS IN ORDER OF PRECEDENCE AS DESCRIBED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING DATA SHOWN IN THESE DOCUMENTS AND NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICTS WITH PROPOSED FEATURES PRIOR TO CONSTRUCTION.
- ALL COMPACTION METHODS, MATERIALS AND PERFORMANCE CRITERIA SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.
- ALL EXISTING AND PROPOSED CATCH BASINS DOWNSTREAM OF DISTURBED AREA SHALL BE PROTECTED DURING CONSTRUCTION PER THE WSDOT STD PLAN I-40.20-00.
- SANITARY SEWER PIPE SHALL BE OF MATERIALS PER THE CONTRACT SPECIFICATIONS.
- ALL PIPE LENGTHS, INVERT ELEVATIONS AND SEWER STRUCTURE LOCATIONS ARE MEASURED AT THE CENTER OF THE SEWER STRUCTURE UNLESS NOTED OTHERWISE.
- ALL LOCATIONS OF EXISTING UTILITIES SHOWN HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND AVOID OTHER UTILITIES NOT SHOWN ON THE PLANS. EXISTING UTILITIES SHALL BE PROTECTED, SUPPORTED, OR MAINTAINED DURING CONSTRUCTION.
- CONTACT THE UNDERGROUND UTILITIES LOCATION SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. SEE THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL WORK (INCLUDING BUT NOT LIMITED TO OPEN CUT RESTORATION AND REPAIR, REMOVAL OF STRUCTURE, EXCAVATION, STAGING, ETC.) SHALL BE LIMITED TO THE PUBLIC RIGHT-OF-WAY OR PROPERTY OWNED BY THE CITY OF SHORELINE OR EASEMENTS OF THE CITY OF SHORELINE UNLESS AN EXECUTED TEMPORARY CONSTRUCTION EASEMENT IS RECORDED AND IS ON FILE WITH THE CITY OF SHORELINE FOR THE PARCEL OF PRIVATE PROPERTY.
- ALL LAWN AND VEGETATED AREA DISTURBED BY CONSTRUCTION EQUIPMENT, VEHICLES OR PERSONNEL SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER, AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL PROTECT ALL UTILITIES WITHIN AND ADJACENT TO THE CONSTRUCTION LIMITS FROM DAMAGE.
- PROTECT EXISTING CURB, GUTTER, SIDEWALK, DRIVEWAYS AND SHOULDER (PAVED OR GRAVEL) TO REMAIN FROM DAMAGE. DEMOLISH ONLY THOSE EXISTING FACILITIES INDICATED FOR RESTORATION, REPAIR OR REPLACEMENT ON THE PLANS. CONTRACTORS SHALL REPLACE AT THEIR OWN COST ANY FACILITY TO REMAIN THAT IS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS.
- ANY EXCAVATION WITHIN 3 FEET OF EXISTING GAS LINE SHALL BE POTHOLED TO CONFIRM LOCATION OF GAS LINE BEFORE BEGINNING WORK. CONTRACTOR TO PROTECT EXISTING GAS AND EXCAVATE WITH EXTREME CAUTION IN VICINITY. CONTACT UTILITY COMPANY.

PIPE REPLACEMENT NOTES

- THE CONTRACTOR SHALL VERIFY THE LINEAR LENGTH OF SANITARY SEWER PIPES AND THE REQUIRED LENGTH OF REPLACEMENT/REPAIR BEFORE PLACING THEIR ORDER WITH THE SUPPLIER.
- THE CONTRACTOR SHALL INSTALL, AT ALL CONNECTIONS TO EXISTING DOWNSTREAM MANHOLES, SCREENS OR PLUGS TO PREVENT FOREIGN MATERIALS FROM ENTERING THE EXISTING SANITARY SEWER SYSTEM. SCREENS OR PLUGS SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF THE CONSTRUCTION AND SHALL BE REMOVED AFTER FINAL VIDEO INSPECTION.

SITE NOTES

- THE CONTRACTOR SHALL HAVE ANY REQUIRED PERMIT(S) AND CONDITIONS AND THE APPROVED PLANS AVAILABLE AT THE JOB SITE.
- ALL WORK SHALL CONFORM TO THESE APPROVED PLANS AND SPECIFICATIONS, THE SHORELINE MUNICIPAL CODE, THE ENGINEERING DEVELOPMENT GUIDE, AND FEDERAL AND STATE REQUIREMENTS.
- ALL INSTALLATION METHODS AND MATERIALS SHALL MEET THE WSDOT/APWA STANDARD SPECIFICATIONS.
- ANY CHANGES FROM THE APPROVED PLANS REQUIRE PRE-APPROVAL FROM THE ENGINEER.
- SEE GENERAL CONSTRUCTION NOTES SHEET 2 FOR HOURS OF WORK.
- LOCATIONS FOR EXISTING UTILITIES ARE APPROXIMATE.
- THE CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR WORKER SAFETY AND DAMAGE FROM CONSTRUCTION OPERATIONS TO STRUCTURES AND OTHER IMPROVEMENTS.
- SURVEYING FOR PUBLIC FACILITIES SHALL BE PERFORMED UNDER THE DIRECTION OF A WASHINGTON LICENSED LAND SURVEYOR. VERTICAL DATUM SHALL BE NAVD 1988. HORIZONTAL DATUM SHALL BE WASHINGTON STATE (GRID) COORDINATES, NORTH ZONE, USING NAD 83/81 SURVEY CONTROL AND TO ANY TWO CITY OF SHORELINE HORIZONTAL CONTROL MONUMENTS. FOR PROJECTS WITHIN A FLOOD CONTROL ZONE, THE SURVEYOR SHALL PROVIDE CONVERSION CALCULATIONS TO NGVD 1929.
- REPLACE OR RELOCATE ALL SIGNS, STRIPING, POLES AND OTHER ITEMS IN THE RIGHT-OF-WAY THAT ARE DAMAGED OR REMOVED DURING CONSTRUCTION.
- RETAIN, REPLACE OR RESTORE ALL VEGETATION IN RIGHTS-OF-WAY, EASEMENTS, AND ACCESS TRACTS DISTURBED DURING CONSTRUCTION.
- INTERRUPTION OF NORMAL TRAFFIC FLOW SHALL REQUIRE TRAFFIC CONTROL. REFER TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND WSDOT STANDARD SPECIFICATIONS. TRAFFIC CONTROL IS REQUIRED FOR ALL TRANSVERSE CUTS IN ROADWAY. FOR INFORMATION CONTACT THE CITY OF SHORELINE RIGHT-OF-WAY INSPECTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY REQUIRES AN APPROVED TRAFFIC CONTROL PLAN, TO BE REVIEWED PRIOR TO CONSTRUCTION AND INSPECTED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL RESTORE TO CURRENT STANDARDS CRITICAL AREAS, AND PUBLIC AND PRIVATE PROPERTY DAMAGED BY CONTRACTOR'S OPERATIONS.
- AT ALL TIMES MAINTAIN ACCESS TO BUILDINGS FOR FIRE, PEDESTRIAN AND VEHICULAR ACCESS.
- BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, ESTABLISH CLEARING LIMITS, INSTALL CONSTRUCTION ENTRANCE, AND INSTALL BEST MANAGEMENT PRACTICES.
- ALL UTILITY TRENCHES AND ROADWAY SUBGRADES WITHIN CITY RIGHT-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH CITY ROAD STANDARDS. 100% CRUSHED ROCK OR CONTROLLED DENSITY FILL (CDF)
- ALL TREE WORK SHALL CONFORM TO CURRENT ADOPTED STANDARDS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
- WORK INVOLVING FILL, EXCAVATION, STAGING OF MATERIALS OR EQUIPMENT SHALL NOT BE PERFORMED WITHIN THE DRIP-LINE OF TREES.
- WHEN TRENCHING NEAR TREES, HAND-DIGGING OR VACUUM EXCAVATION SHALL BE UTILIZED. TUNNEL BENEATH ROOTS WITH DIAMETER GREATER THAN 1 INCH. CLEAN CUT TORN ROOTS AT TRENCH EDGE. COVER EXPOSED ROOTS WITH VISQUEEN OR LIKE MATERIAL AND KEEP MOIST DURING OPEN TRENCH PROCEDURES.

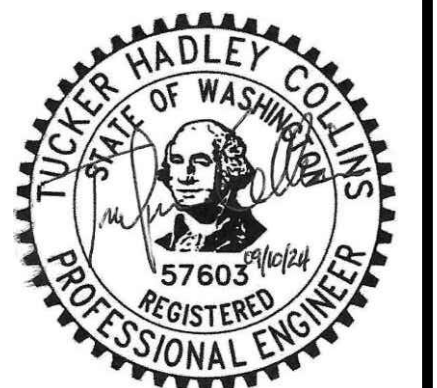


DAVID EVANS
AND ASSOCIATES INC.

14432 SE Eastgate Way
Bellevue, WA 98007
Phone: 425.519.6500

1st AVENUE NE
SANTARY SEWER REPLACEMENT
CITY OF SHORELINE
NOTES
SHORELINE

REVIEWED BY: _____
NO. _____ DATE _____ REVISION _____
DATE _____ BY _____



CHECKED BY: SXCH
DESIGNED BY: THCO
DRAWN BY: THCO

FIRST SUBMITTAL DATE: 08/29/24

PROJECT NO.
SHRL0000-0042

SHEET NO. 2 of 7
SS1.0

LEGEND - EXISTING

	FOUND CASSED MONUMENT
	FOUND MAG NAIL
	SET MAG NAIL
	SET HUB & TACK
	SET NAIL
	SET REBAR WITH CAP
	SET SCRIBE X
	GRAVEL
	GAS METER
	WATER METER
	HANDHOLD
	POTHOLE
	SIGN
	BENCH
	BIKE PAINT STENCIL
	HANDICAP
	TRAFFIC SIGNAL-WALK POLE
	TRAFFIC SIGNAL CAB
	SIGNAL CONTROL BOX
	TRAFFIC SIGNAL LOOP
	TRAFFIC SIGNAL POLE
	TRAFFIC SIGNAL POLE WITH LIGHT
	GAS VALVE
	GAS METER
	DECIDUOUS WITH TRUCK DIAMETER AND DRIP LINE
	CONIFER WITH TRUCK DIAMETER AND DRIP LINE
	BUSH FROM AERIAL SURVEY ONLY-NO IDENTIFICATION
	CATCH BASIN
	CATCH BASIN SOLID
	MANHOLE STORM
	MANHOLE/ACCESS VAULT ON BRIDGE
	SEWER CLEAN OUT
	MANHOLE SEWER
	MANHOLE SEWER FORCE MAIN
	POWER JUNCTION BOX
	POWER METER
	POWER MANHOLE
	POWER PANEL
	POWER VAULT
	TELEPHONE RISER
	TELEPHONE HAND HOLE
	TELEPHONE MANHOLE
	TELEPHONE VAULT
	MAILBOX
	MONITORING WELL
	WETLAND FLAG
	ROCK/LARGE BOULDER
	WATER BLOW OFF VALVE
	FIRE DEPT CON
	STAND PIPE
	FIRE HYDRANT
	WATER METER
	WATER MANHOLE
	WATER POST INDICATOR VALVE
	WATER VAULT
	WATER VALVE
	LIGHT STANDARD
	S T LIGHT
	LIGHT DOUBLE
	LIGHT QUAD
	GUY POLE
	GUY ANCHOR
	POWER POLE WITH LIGHT
	POWER POLE WITH LIGHT AND DROP LINE
	POWER POLE WITH LIGHT, DROP LINE, TRANSFORMER
	POWER POLE WITH LIGHT AND TRANSFORMER
	TRAFFIC CAMERA
	POWER POLE
	POWER POLE WITH DROP LINE
	POWER POLE WITH DROP LINE, TRANSFORMER
	POWER POLE WITH TRANSFORMER
	UNKNOWN UTILITY STRUCTURE - NOT VERIFIED BY GROUND SURVEY
	UNKNOWN UTILITY BOX - NOT VERIFIED BY GROUND SURVEY
	POST
	BOLLARD
	REFLECTIVE TRAFFIC MARKER

LEGEND - EX. CONT.

	PROPERTY LINE
	ROW LINE
	COMMUNICATION LOCATES
	UNDERGROUND POWER LOCATES
	OVERHEAD POWER
	UNDERGROUND WATER LOCATES
	UNDERGROUND GAS LOCATES
	UNDERGROUND STORM DRAIN
	UNDERGROUND SEWER
	UNDERGROUND SEWER
	GUARD RAIL
	EDGE OF PAVEMENT
	EDGE OF GRAVEL
	DITCH BOTTOM
	CHANNELIZATION STRIPING
	CHAIN LINK FENCE
	METAL HAND RAIL
	WOOD/UNKNOWN FENCE TYPE
	ROCKERY WALL
	HEDGE/BUSH LINE
	LINE/DRIP LINE FROM AERIAL SURVEY
	TELEPHONE VAULT
	GAS VALVE
	WATER VALVE
	FIRE HYDRANT
	POWER POLE
	BUILDING LINE
	WATER PIPE
	POWER LINE
	CABLE TV LINE
	NATURAL GAS PIPE
	CONCRETE
	ASPHALT
	SPU WATER MAIN
	EX. COSH STORM DRAIN PIPE AND CATCH BASIN

LEGEND - PROPOSED (BY OTHERS - CITY PROJECTS)

	COSH INTERCHANGE/CORRIDOR PROJECT STORM DRAINAGE SYSTEM
	COSH INTERCHANGE PROJECT SANITARY SEWER SYSTEM
	COSH CORRIDOR PROJECT SURFACE FEATURE
	COSH CORRIDOR PROJECT ELEVATION CONTOUR

LEGEND - PROPOSED (BY OTHERS - DEVELOPMENT PROJECTS)

	NATURAL GAS PIPE
	SANITARY SEWER PIPE
	STORM DRAIN PIPE
	BUILDING
	ELECTRICAL DUCT BANK
	SEWER MANHOLE
	STORM STRUCTURES
	ELECTRICAL VAULT
	WATER HYDRANTS/VALVES/FITTINGS
	POWER POLE WITH GUY WIRE

LEGEND - PROPOSED (BY 1ST AVENUE NE SANITARY SEWER REPLACEMENT)

	SEWER MAIN AND MANHOLE
	TO BE REMOVED
	CATCH BASIN INLET PROTECTION
	APPROXIMATE EXCAVATION EXTENTS

ABBREVIATIONS

AVE	AVENUE	OC	ON CENTER
CONC	CONCRETE	OP	OVERHEAD
CDF	CONTROL DENSITY FILL	OP	OVERHEAD POWER
CL	CENTERLINE	P	POWER
CO	CLEAN OUT	PR	PROPOSED
CONT	CONTINUED	PSI	POUND PER SQUARE INCH
COSH	CITY OF SHORELINE	PVC	POLYVINYL CHLORIDE
CPLGS	COUPLINGS	PWR	POWER
DEA	DAVID EVANS AND ASSOCIATES	RT	RIGHT
DIA	DIAMETER	R/W	RIGHT OF WAY
DY	DAY	ROW	RIGHT OF WAY
E	EAST	S	SOUTH
EX	EXISTING	SD	STORM DRAIN
FT	FOOT	SE	SOUTHEAST
G	GAS	SEC	SECTION
HMA	HOT MIX ASPHALT	SPEC	SPECIFICATIONS
HDPE	HIGH DENSITY POLYETHYLENE	SQ IN	SQUARE INCHES
ID	INTERNAL DIMENSION	SQ FT	SQUARE FEET
IE	INVERT ELEVATION	SS	SANITARY SEWER
LF	LINEAL FEET	STD	STANDARD
LT	LEFT	SSMH	SANITARY SEWER MANHOLE
MAX	MAXIMUM	ST	STREET
MB	MAILBOX	STA	STATION
MH	MANHOLE	SW	SOUTHWEST
MIN	MINIMUM	T	TELEPHONE
MO	MONTH	TV	TELEVISION
N	NORTH	TYP	TYPICAL
NE	NORTHEAST	W	WEST/WATER
NW	NORTHWEST	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
		UNK	UNKNOWN
		YR	YEAR

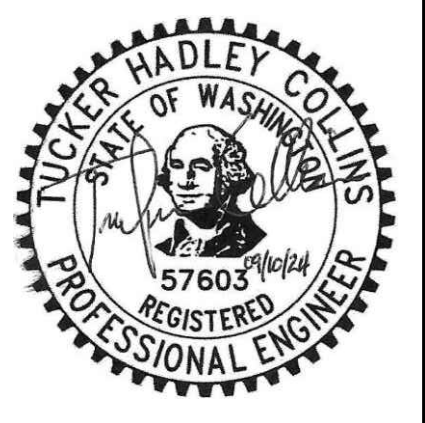
REFERENCE SYMBOLS

DETAIL REFERENCED BY LETTER OR NUMBER		DETAIL SCALE
SHEET ON WHICH REFERENCE TO FIGURE APPEARS		ELEVATION SCALE
ELEVATION REFERENCED BY LETTER		ELEVATION SCALE
TWO SHEETS ON WHICH REFERENCE TO FIGURE APPEARS		SECTION SCALE
SECTION REFERENCED BY LETTER		SECTION SCALE
MORE THAN TWO SHEETS ON WHICH REFERENCE TO FIGURE APPEARS		SECTION SCALE

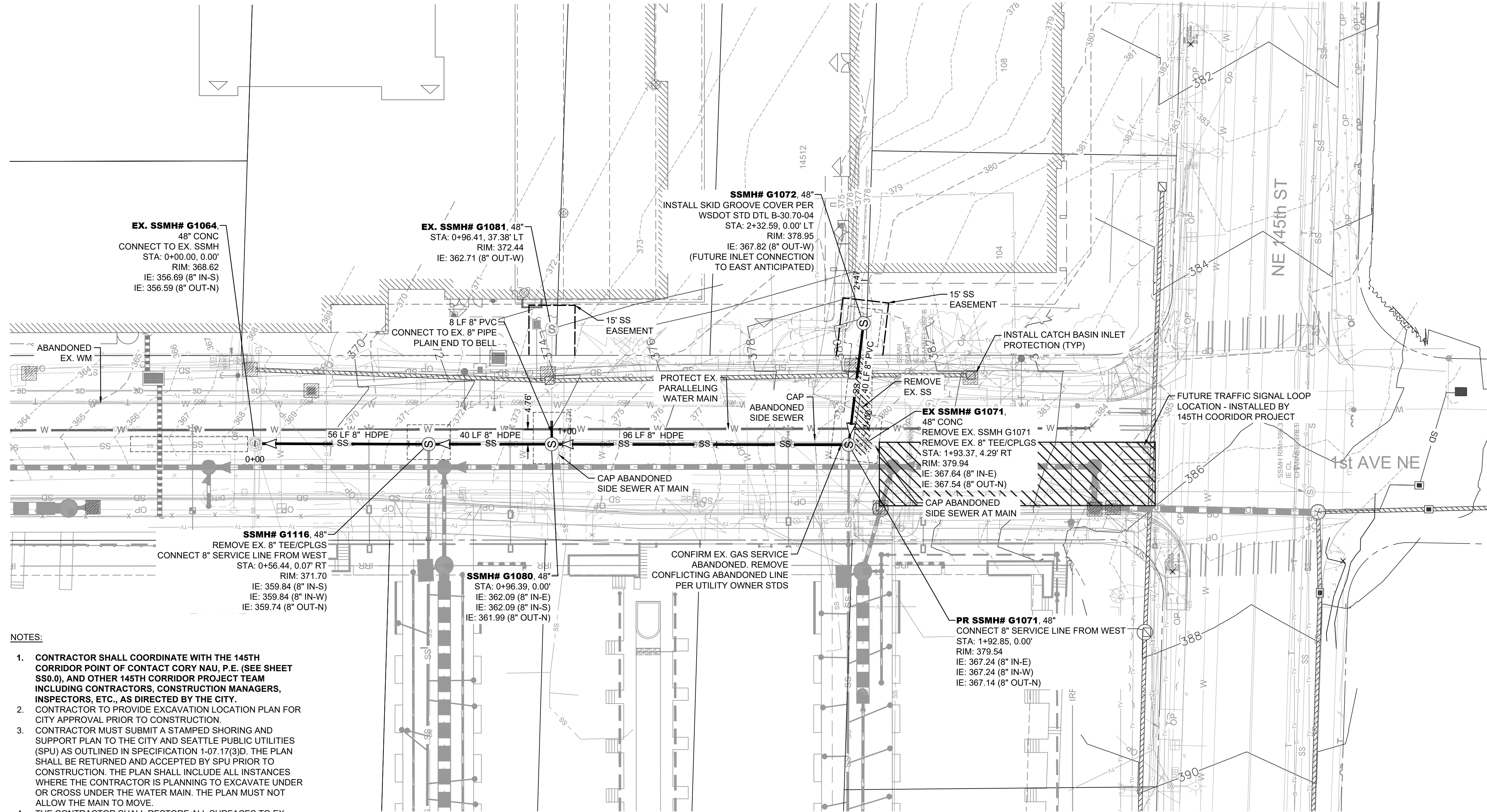


1st AVENUE NE
SANITARY SEWER REPLACEMENT
 CITY OF SHORELINE
 WA
LEGEND, ABBREVIATIONS, REFERENCE SYMBOLS
 SHORELINE

REVIEWED BY:	DATE:	BY:
NO.:	DATE:	REVISION:

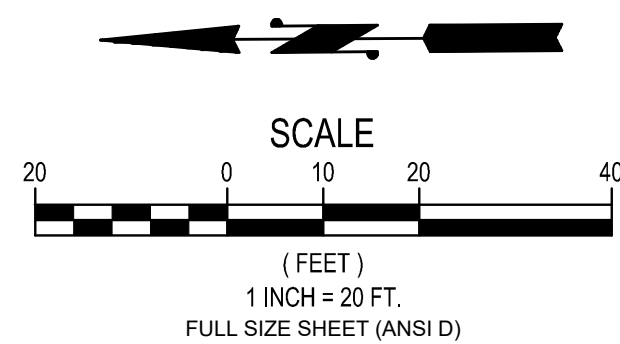


CHECKED BY: SXCH
 DESIGNED BY: THCO
 DRAWN BY: THCO
 FIRST SUBMITTAL DATE: 08/29/24
 PROJECT NO.
SHRL0000-0042
 SHEET NO. **3** OF 7
SS1.1



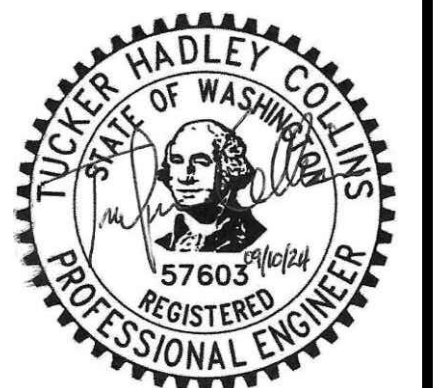
NOTES:

1. CONTRACTOR SHALL COORDINATE WITH THE 145TH CORRIDOR POINT OF CONTACT CORY NAU, P.E. (SEE SHEET SS0.0), AND OTHER 145TH CORRIDOR PROJECT TEAM INCLUDING CONTRACTORS, CONSTRUCTION MANAGERS, INSPECTORS, ETC., AS DIRECTED BY THE CITY.
2. CONTRACTOR TO PROVIDE EXCAVATION LOCATION PLAN FOR CITY APPROVAL PRIOR TO CONSTRUCTION.
3. CONTRACTOR MUST SUBMIT A STAMPED SHORING AND SUPPORT PLAN TO THE CITY AND SEATTLE PUBLIC UTILITIES (SPU) AS OUTLINED IN SPECIFICATION 1-07.17(3)D. THE PLAN SHALL BE RETURNED AND ACCEPTED BY SPU PRIOR TO CONSTRUCTION. THE PLAN SHALL INCLUDE ALL INSTANCES WHERE THE CONTRACTOR IS PLANNING TO EXCAVATE UNDER OR CROSS UNDER THE WATER MAIN. THE PLAN MUST NOT ALLOW THE MAIN TO MOVE.
4. THE CONTRACTOR SHALL RESTORE ALL SURFACES TO EX. CONDITION OR BETTER AND ALL RESTORATION WORK SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL 616 AND 802. SEE RIGHT-OF-WAY NOTES SHEET SS1.0 FOR STAGING AND PARKING REQUIREMENTS.
5. SEE RIGHT-OF-WAY NOTES SHEET SS1.0 FOR PAVEMENT MARKING REPLACEMENT REQUIREMENTS.
6. THE CONTRACTOR MAY INSTALL G1116 AND G1080 AS SADDLE MANHOLES WITH STEEL REINFORCED BASE. REINFORCING SHALL BE 0.23 SQ IN/FT, UPPER 1/3 OF BASE SLAB.
7. THERE EXIST TWO ROMAC-TYPE COUPLINGS AND A DI TEE LOCATED AT STA 0+56.44 THAT WILL REQUIRE REMOVAL PRIOR TO PIPEBURSTING. THE CONTRACTOR SHALL IDENTIFY OTHER PIPEBURSTING HAZARDS THROUGH PRE CONSTRUCTION TV INSPECTION OF THE LINE PER THE PROJECT MANUAL.
8. CONTRACTOR TO COORDINATE SIGNAL LOOP LOCATION AND INSTALLING TIMING WITH 145TH CORRIDOR PROJECT. IN THE INSTANCE THAT THE SIGNAL LOOP IS ALREADY INSTALLED, THE CONTRACTOR EXCAVATION PLAN SHALL AVOID IMPACTING THE SIGNAL LOOP. IF THE SIGNAL LOOPS ARE DAMAGED, THE CONTRACTOR SHALL REPLACE IN KIND.
9. LOCATIONS OF EX. WATER MAIN SHOWN ARE APPROXIMATE. REFER TO PLAN NOTE 8 SHEET SS1.0.



1st AVENUE NE
SANTARY SEWER REPLACEMENT
CITY OF SHORELINE
PLAN
EX. SSMH G1064 TO SSMH# G1072
SSMH# G1080 TO SSMH# G1081

REVIEWED BY: DATE: BY: CK

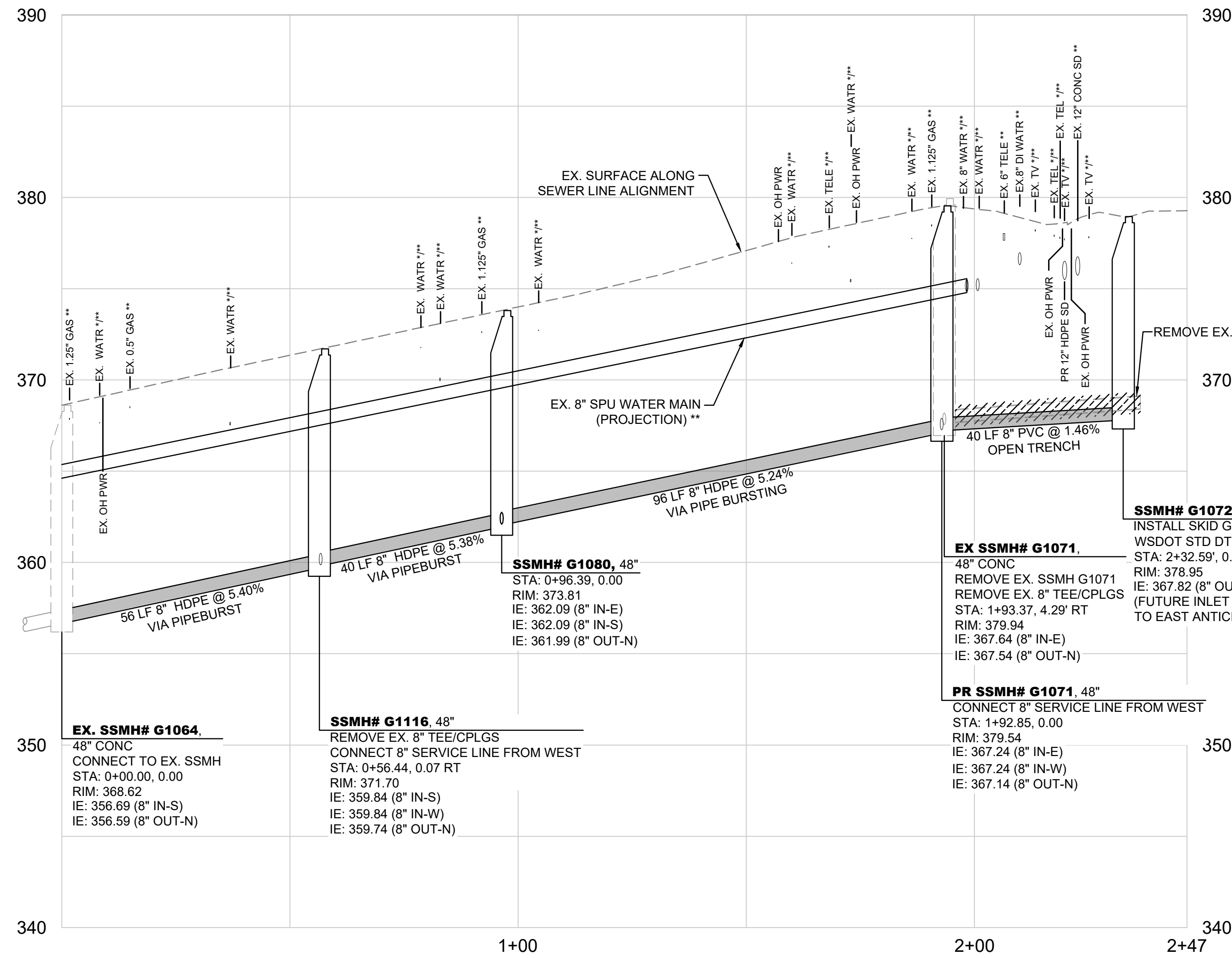


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DRAWN BY: THCO
FIRST SUBMITTAL DATE: 08/29/24
PROJECT NO.
SHRL0000-0042
SHEET NO. 4 of 7
SS2.0

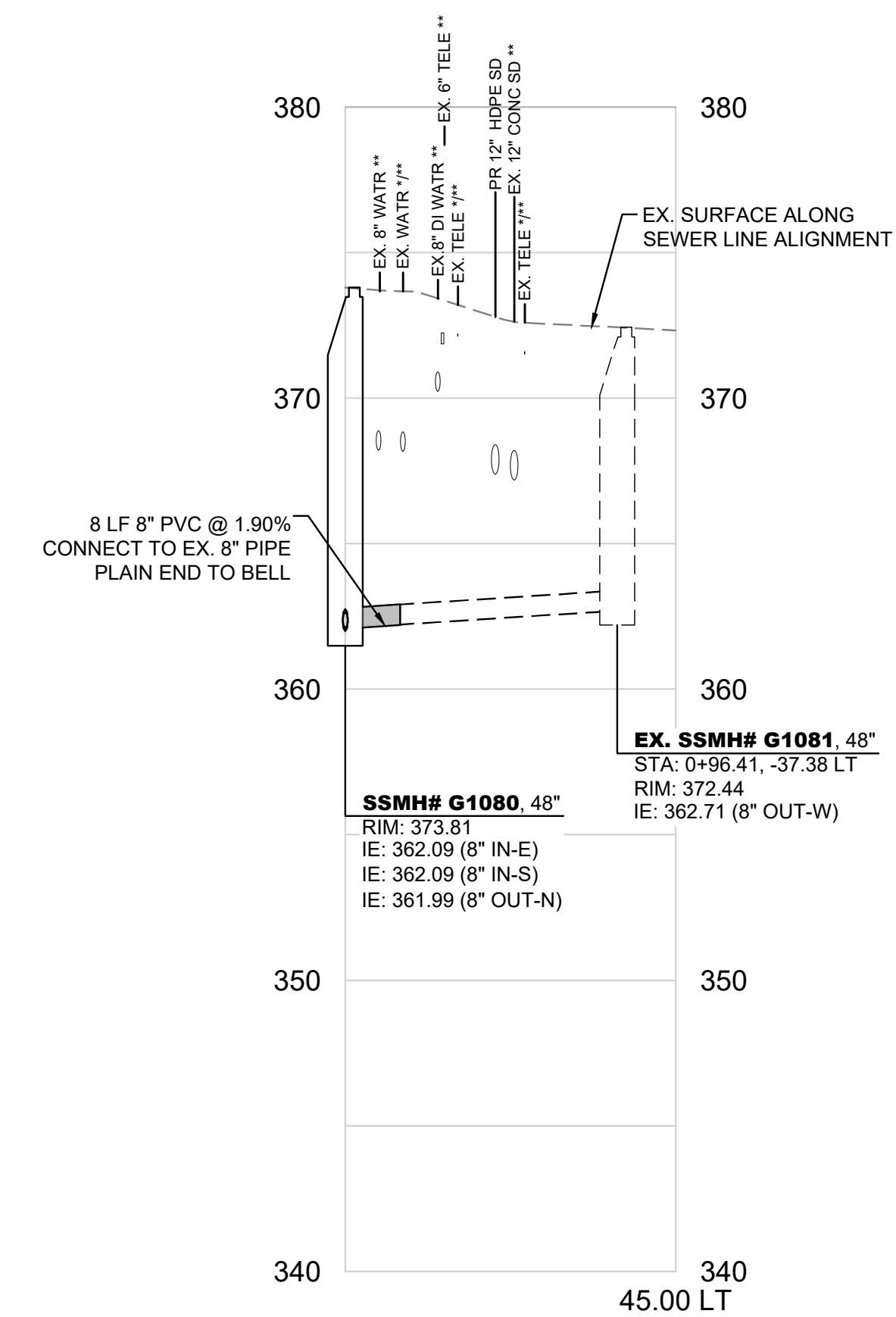
NORTHWEST 1/4, SECTION 20, TOWNSHIP 26 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN

KEY NOTES:

- * EXISTING UTILITIES THAT NO RECORD SIZE INFORMATION IS AVAILABLE
- ** EXISTING UTILITIES THAT NO RECORD DEPTH INFORMATION IS AVAILABLE
- *** PROPOSED UTILITIES BY OTHERS, IN DESIGN



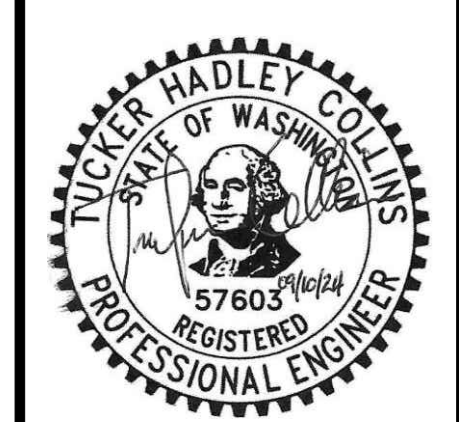
1ST AVENUE NE PROFILE
EX. SSMH# G1064 TO SSMH# G1072
H: 1"=20', V: 1"=5'
FULL SIZE SHEET (ANSI D)



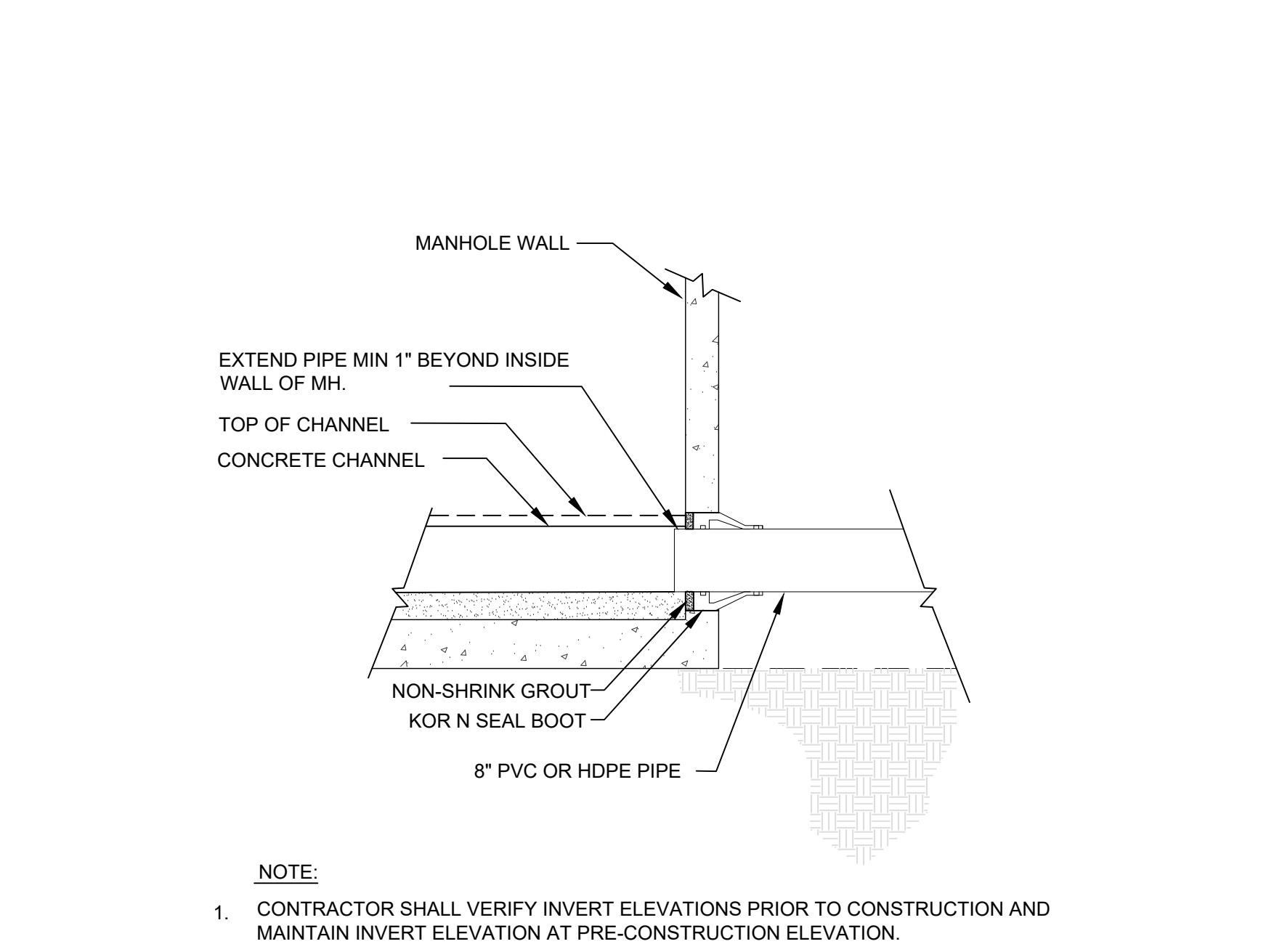
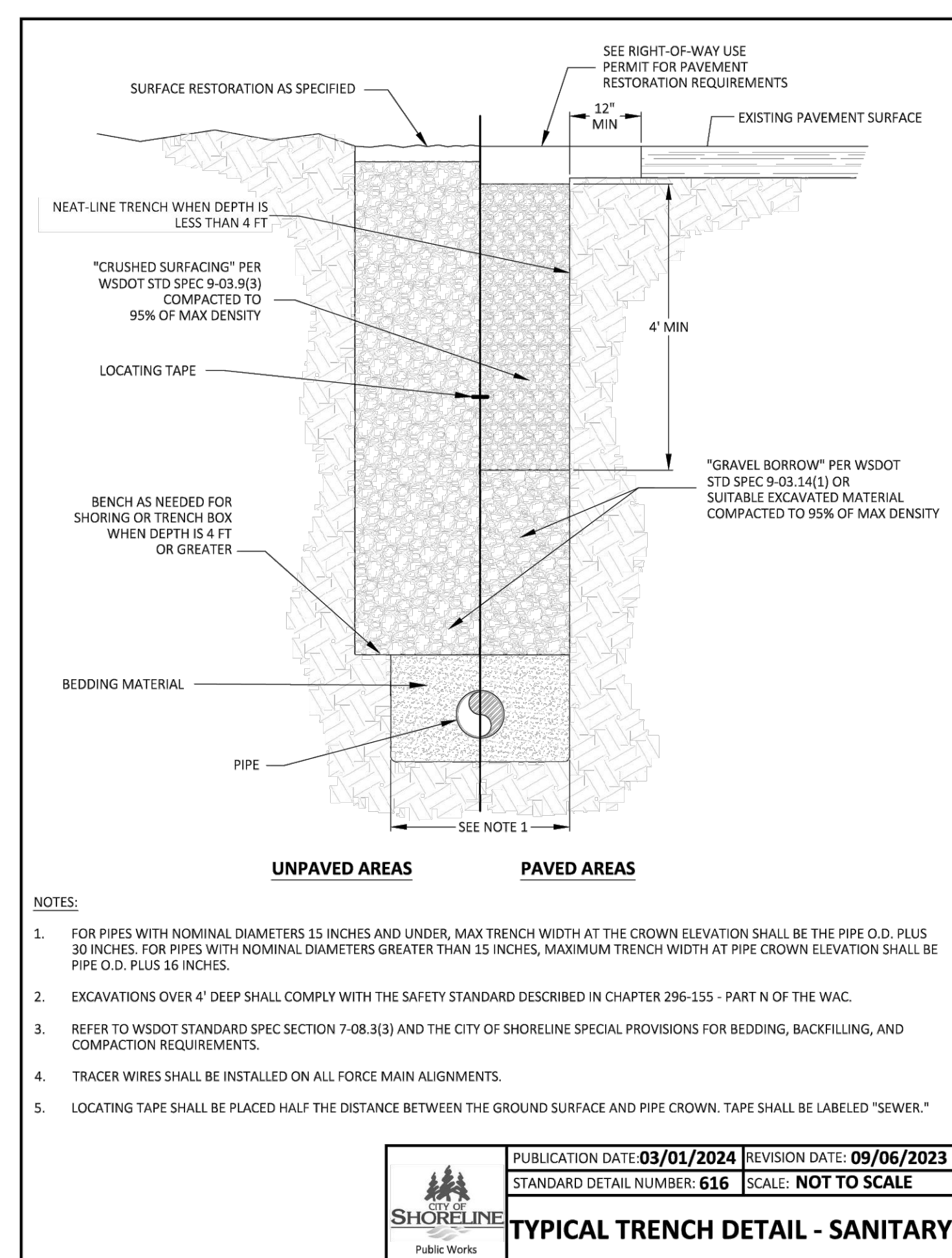
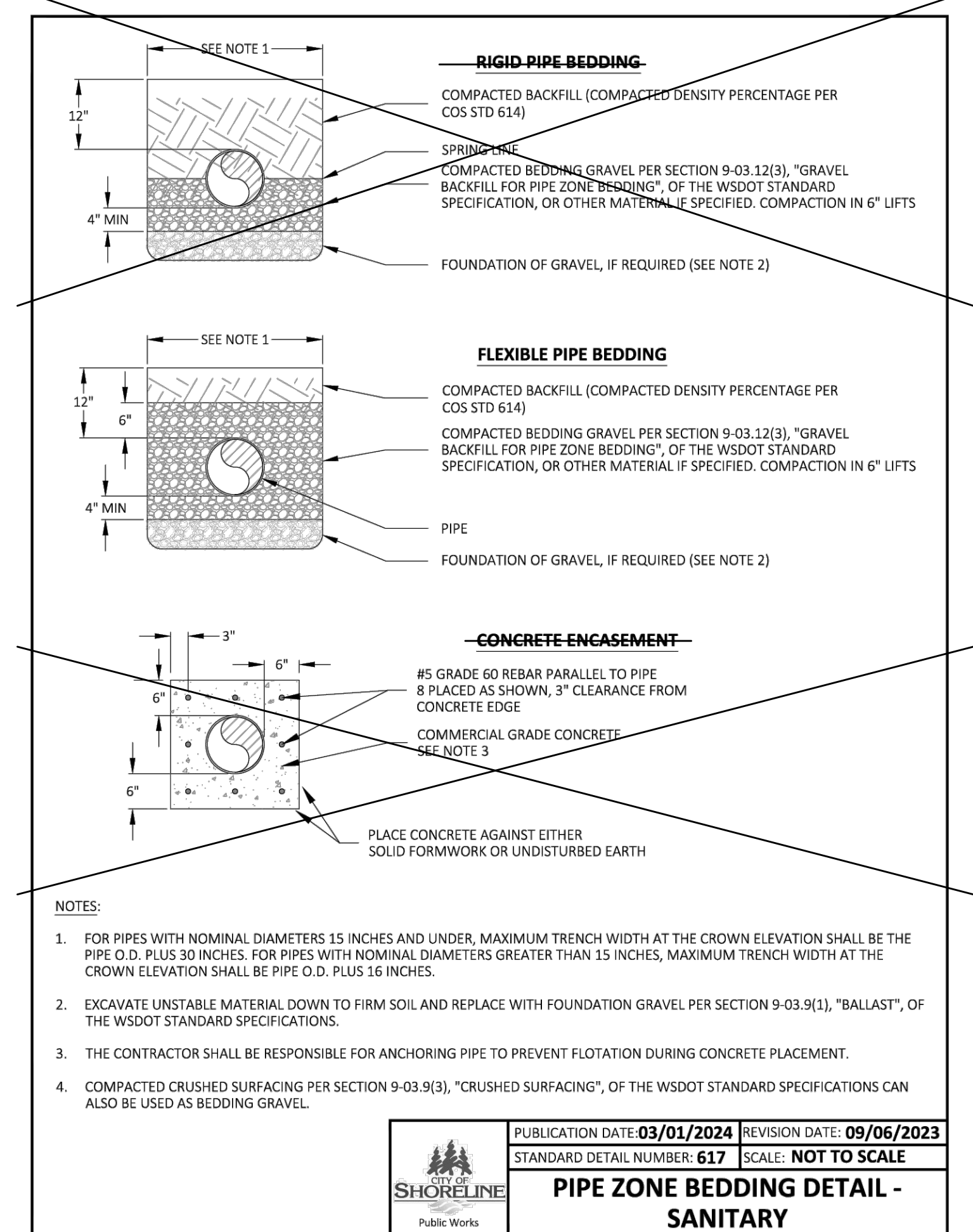
1ST AVENUE NE PROFILE
SSMH# G1080 TO EX. SSMH# G1081
H: 1"=20', V: 1"=5'
FULL SIZE SHEET (ANSI D)

1st AVENUE NE
SANTARY SEWER REPLACEMENT
CITY OF SHORELINE
PROFILE
EX. SSMH# G1064 TO SSMH# G1072
SSMH# G1080 TO EX. SSMH# G1081

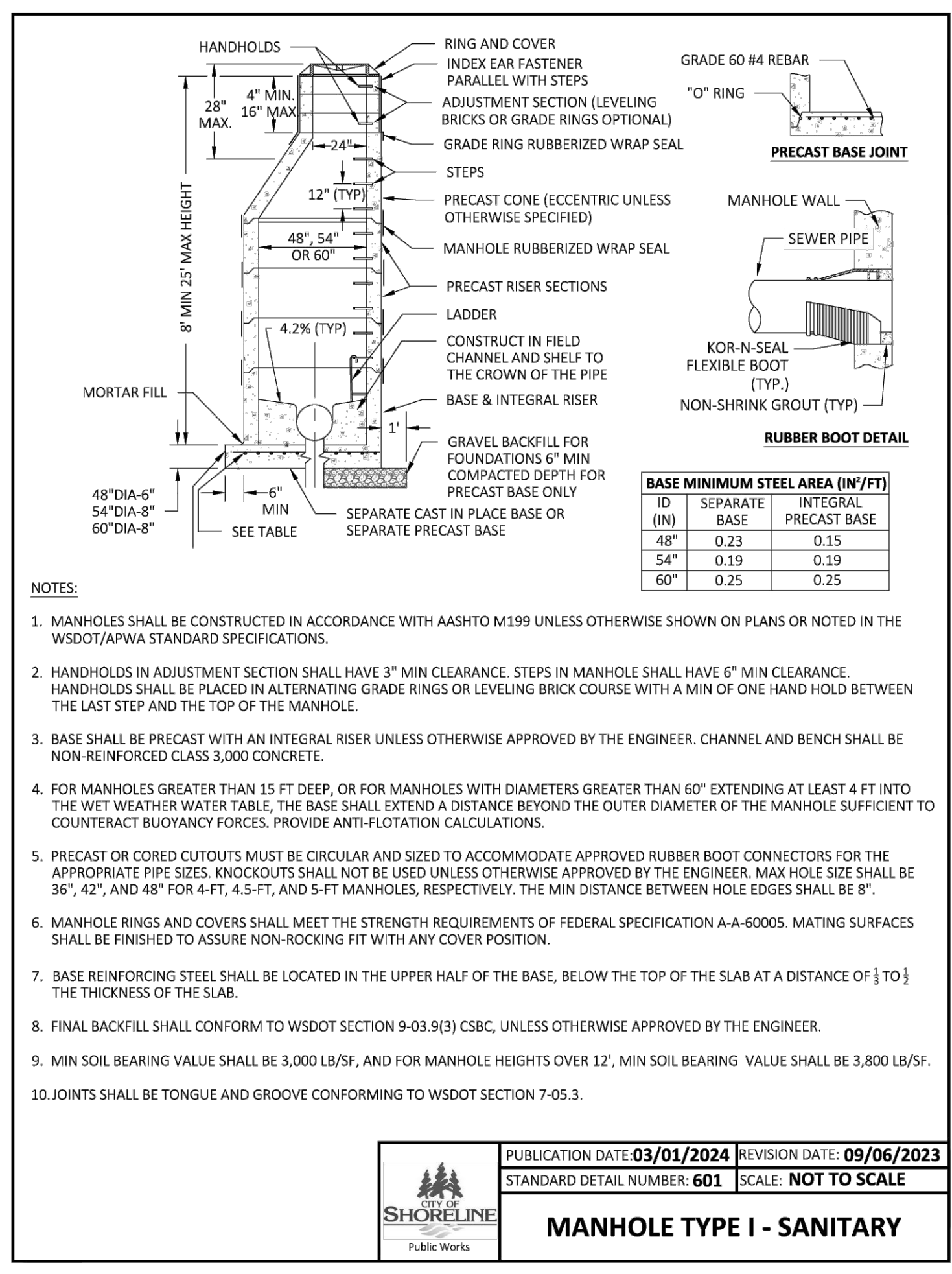
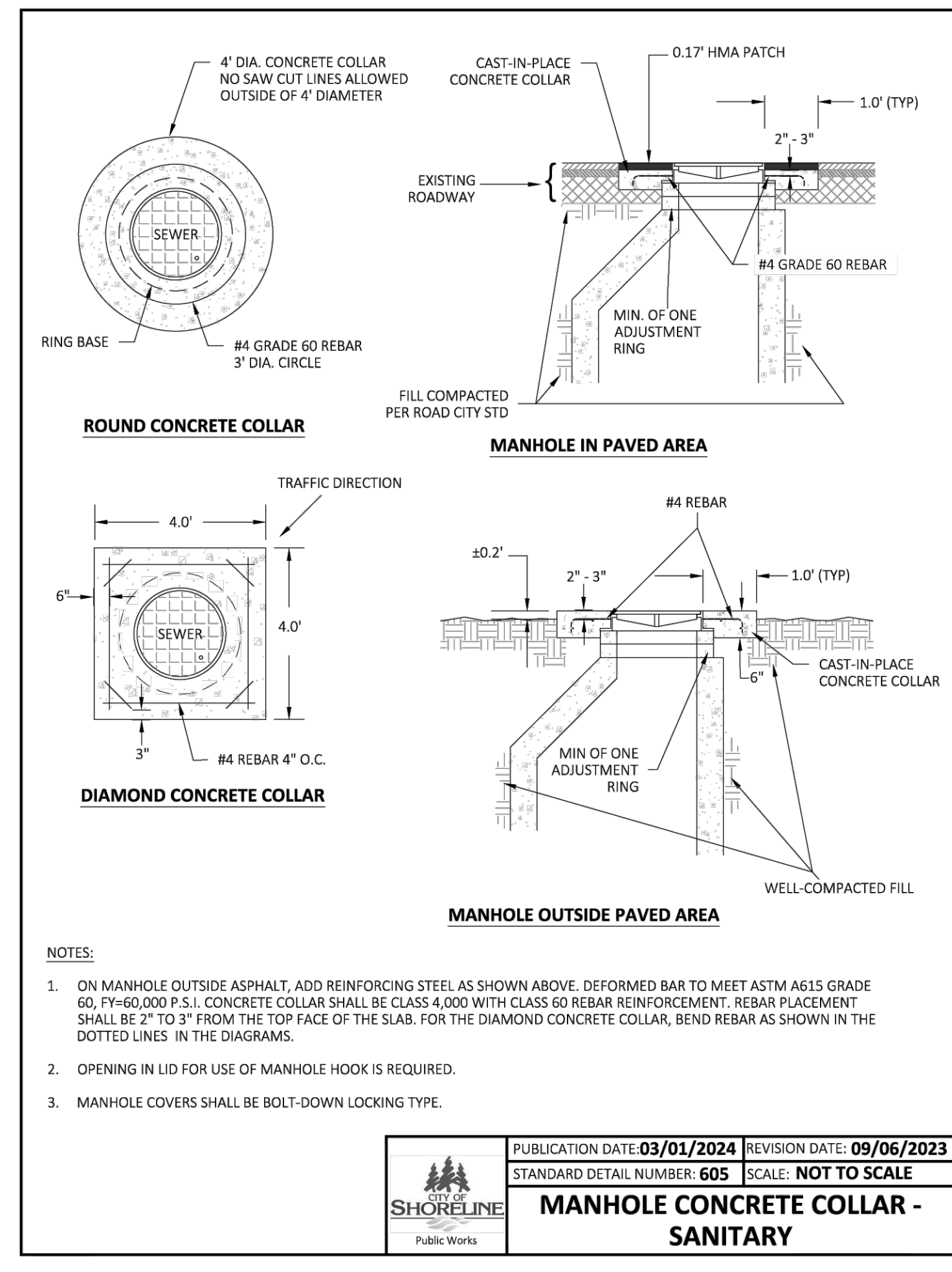
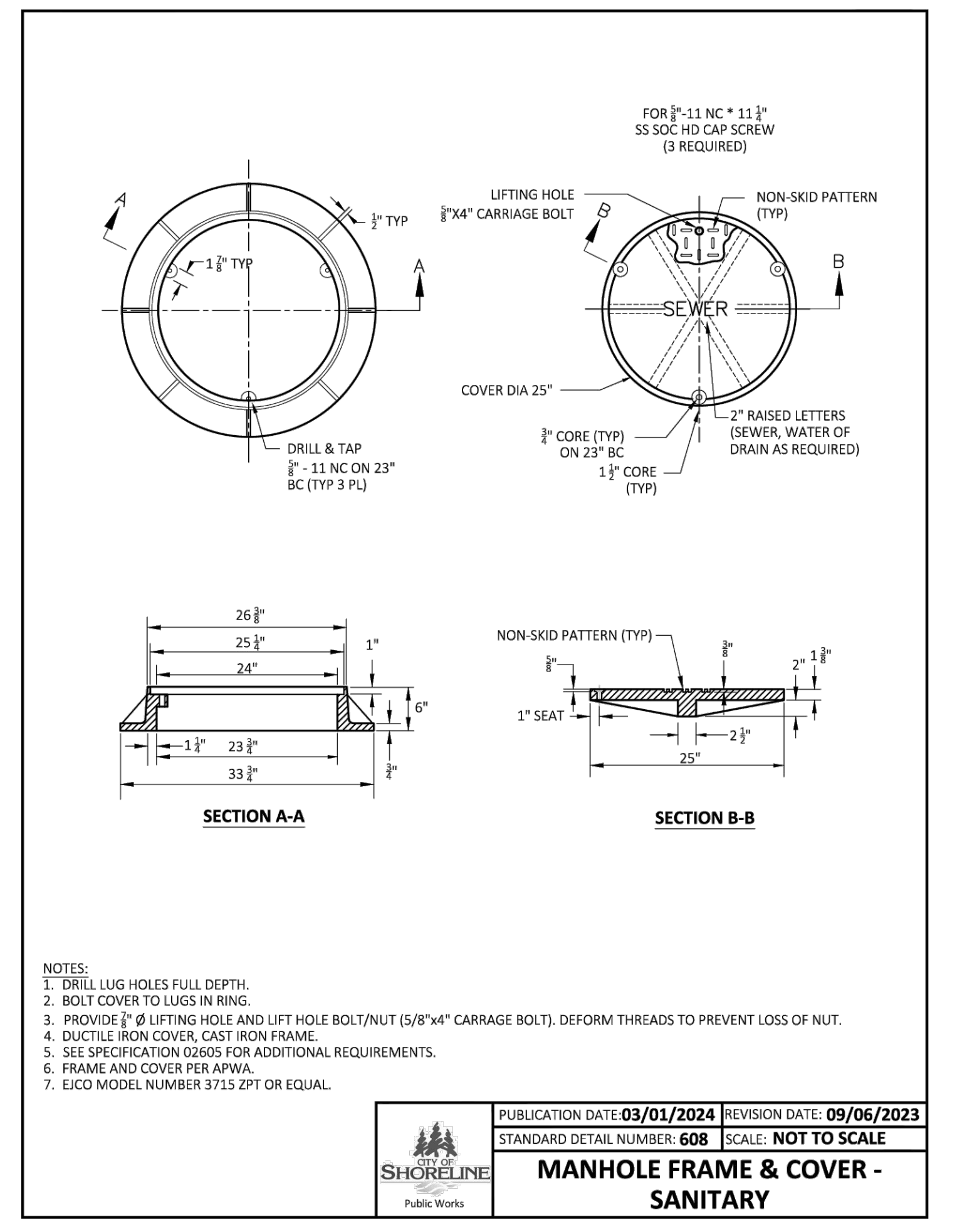
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NO. DATE REVISION		CK



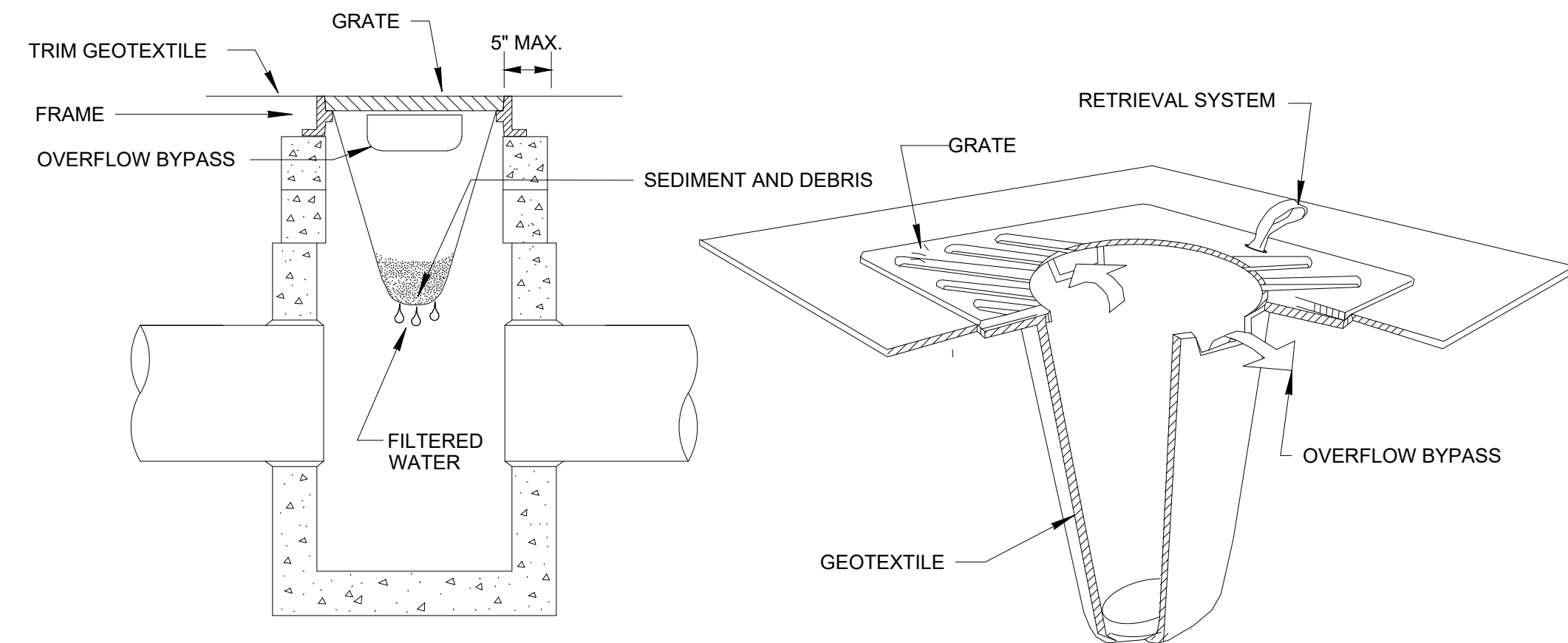
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DRAWN BY: THCO
FIRST SUBMITTAL DATE: 08/29/24
PROJECT NO.
SHRL0000-0042
SHEET NO. 5 of 7
SS2.1



A
4
DETAIL - MANHOLE CONNECTION
 NOT TO SCALE



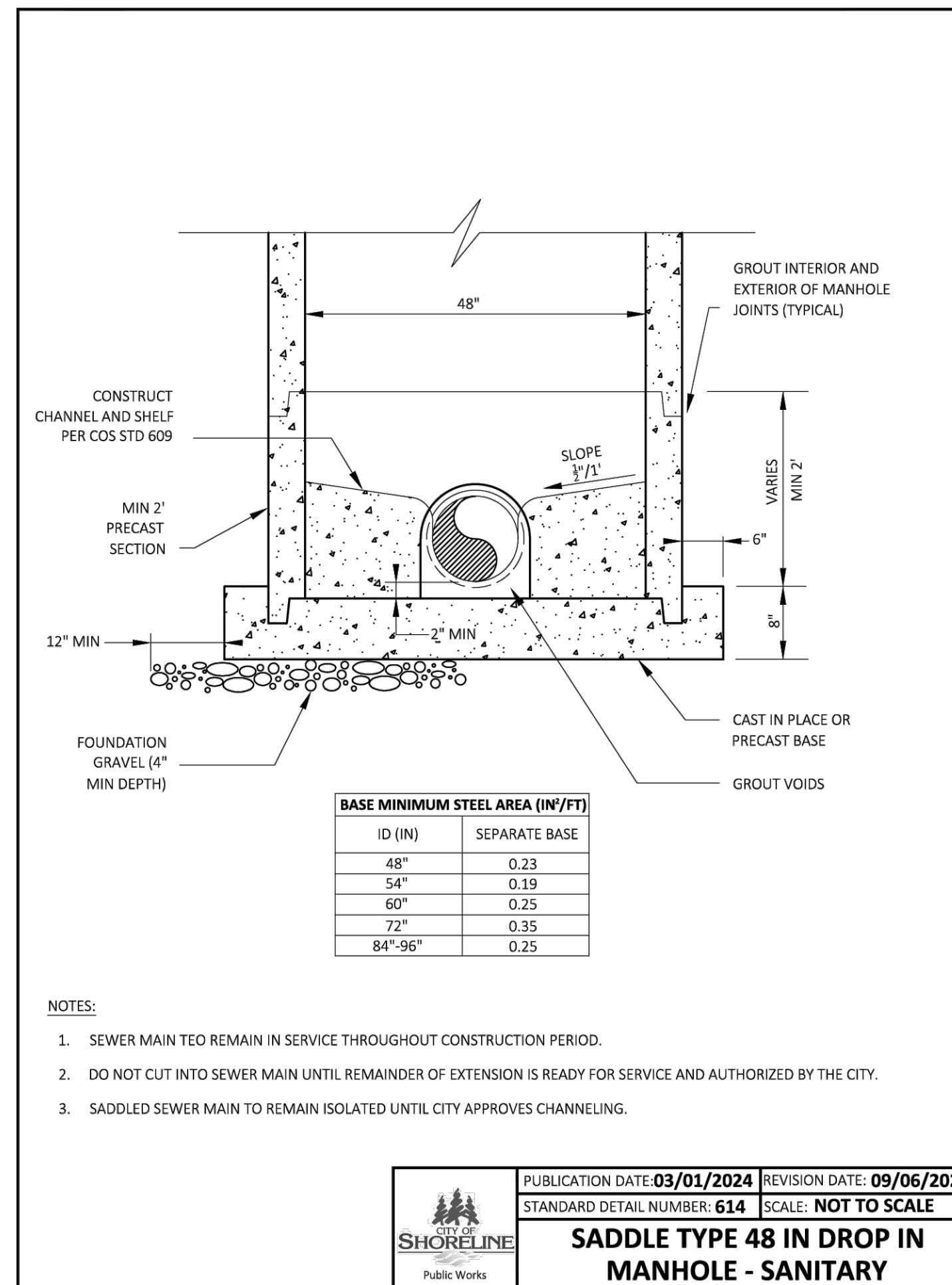
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 By: Thco
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NOTES:

1. SIZE THE BELOW GRATE INLET DEVICE (BGID) FOR THE STORM WATER STRUCTURE IT WILL SERVICE. INSTALL WITHIN THE CONSTRUCTION SITE AND WITHIN 150 FEET OF SITE.
2. THE BGID SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
3. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BGID WITHOUT SPILLING THE COLLECTED MATERIAL.
4. ANY ACCUMULATED SEDIMENT ON OR AROUND INLET PROTECTION SHALL BE REMOVED IMMEDIATELY. SEDIMENT SHALL NOT BE REMOVED WITH WATER, AND ALL SEDIMENT MUST BE DISPOSED OF AS FILL ON SITE OR HAULED OFF SITE.
5. ANY SEDIMENT IN THE CATCH BASIN INSERT SHALL BE REMOVED WHEN THE SEDIMENT HAS FILLED ONE-THIRD OF THE AVAILABLE STORAGE OR 12", WHICHEVER IS LESS. THE FILTER MEDIA FOR THE INSERT SHALL BE CLEANED OR REPLACED AT LEAST MONTHLY, IF APPLICABLE.

B
4
DETAIL - CATCH BASIN INSERT
NOT TO SCALE

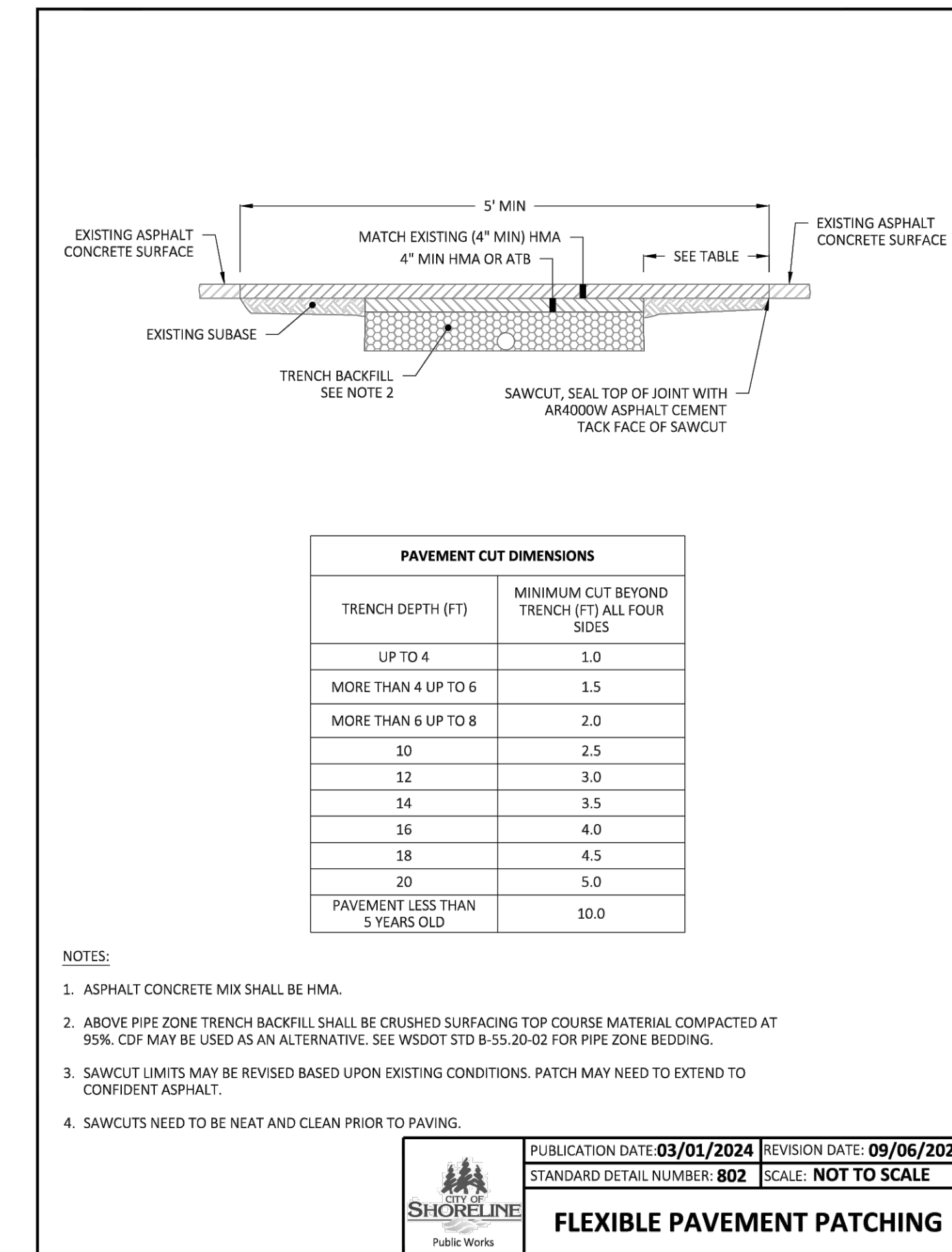


ID (IN)	SEPARATE BASE
48"	0.23
54"	0.19
60"	0.25
72"	0.35
84"-96"	0.25

NOTES:

1. SEWER MAIN TEO REMAIN IN SERVICE THROUGHOUT CONSTRUCTION PERIOD.
2. DO NOT CUT INTO SEWER MAIN UNTIL REMAINDER OF EXTENSION IS READY FOR SERVICE AND AUTHORIZED BY THE CITY.
3. SADDLED SEWER MAIN TO REMAIN ISOLATED UNTIL CITY APPROVES CHANNELLING.

	PUBLICATION DATE: 03/01/2024	REVISION DATE: 09/06/2023
	STANDARD DETAIL NUMBER: 614	SCALE: NOT TO SCALE
SADDLE TYPE 48 IN DROP IN MANHOLE - SANITARY		



PAVEMENT CUT DIMENSIONS	
TRENCH DEPTH (FT)	MINIMUM CUT BEYOND TRENCH (FT) ALL FOUR SIDES
UP TO 4	1.0
MORE THAN 4 UP TO 6	1.5
MORE THAN 6 UP TO 8	2.0
10	2.5
12	3.0
14	3.5
16	4.0
18	4.5
20	5.0
PAVEMENT LESS THAN 5 YEARS OLD	10.0

NOTES:

1. ASPHALT CONCRETE MIX SHALL BE HMA.
2. ABOVE PIPE ZONE TRENCH BACKFILL SHALL BE CRUSHED SURFACING TOP COURSE MATERIAL COMPACTED AT 95%. CDF MAY BE USED AS AN ALTERNATIVE. SEE WSDOT STD B-55.20-02 FOR PIPE ZONE BEDDING.
3. SAWCUT LIMITS MAY BE REVISED BASED UPON EXISTING CONDITIONS. PATCH MAY NEED TO EXTEND TO CONFIDENT ASPHALT.
4. SAWCUTS NEED TO BE NEAT AND CLEAN PRIOR TO PAVING.

	PUBLICATION DATE: 03/01/2024	REVISION DATE: 09/06/2023
	STANDARD DETAIL NUMBER: 802	SCALE: NOT TO SCALE
FLEXIBLE PAVEMENT PATCHING		

Plot Date: 9/10/2024 1:59 PM
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NO.	DATE	REVISION

